Biology 201 Anatomy & Physiology I Syllabus  Spring 2011

Prerequisites - None  Credit Hours - 4  (Lecture 3 hrs/wk, Lab 2 hrs/wk)
Instructor - Dr. Engle  Office - 211 Pierce Hall
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Course description - An introduction to the organization of the human body at its molecular, cellular, and tissue levels. The structure and functioning of the integumentary, skeletal, muscular, central, and peripheral nervous system are examined.

Grading Policy:
Eight exams and a comprehensive final will be given in lecture and one exam will be given in lab (skeletal exam). Exams will consist of multiple choice, matching, and short written answers. Exams will be based primarily on lecture notes. On exams consisting of identification of body parts, spelling will count. The grade you receive will be based solely on your performance on these exams.

Grading Scale:
A=100-92%  B+=91-88%  B=87-83%  C+=82-79%  C=78-74%  D=73-65%  F=64-0%
Grades are NOT curved and there is no extra credit available. Grades are based on the total amount of points accumulated. To calculate your grade add the number of questions you answered correctly and divide by the number of total points possible. Multiply by 100 to obtain your percent score. Other grades (E, W, WP, WF) will be assigned as described in the College Catalog.

Tutoring Help - Professional: Ms. Karen Castagnola; PH 207, 886-6440, KCastagnola@mtaloy.edu
Peer: Ms. Caressa Gearhart, Learning Commons, 886-6561, CReahart@mtaloy.edu

Learning Objectives:
Describe the levels of organization of the human body and functional processes common to all living organisms.
Describe the atomic basis of matter and relate the concepts to physiological processes.
Relate the properties of chemical bonding.
Define acid and base.
Explain the pH scale.
Describe the structure/function of organic molecules important to the human body.
State the structure and mechanisms used by cells to transport materials through their membranes.
Identify the structure and organelles of the human cell.
Describe the mechanism of cell division.
Detail the organization of the body at the tissue level.
Describe the structure and function of skin.
Describe the structure and development of bone tissue.
Relate the structures of the articulations and the movements (synovial joints).
Identify the bones of the skeleton and selected features thereof.
Describe the structure and function of muscle tissue.
Detail the organization of the nervous system and the role of the neuron.
Identify the major structural components of the central nervous system and their function.
Identify the major structural components of the peripheral nervous system.
**Course Outline**

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<td>5</td>
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<td>Skeleton (bone identification) will be covered in lab over several lab sessions.</td>
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<td>7</td>
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**Attendance Policy:** Attendance at all lecture and lab sessions is mandatory. Failure to attend will hurt your performance. Students are responsible to notify the instructor prior to missing an exam with a valid reason for missing the exam. The instructor reserves the right to judge the validity of the excuse. You are responsible for scheduling a make-up exam with the instructor. There are no makeup labs. Failure of the student to follow the steps outlined above will result in a grade of “0” for the missed exam!
**Additional Resources:**

**Optional/Additional texts:**

**Library / Internet Resources:** There is a box of bones on reserve in the library for personal study.
Cohen, B.J. 2005 Memmler’s the structure and function of the human body. QP36.M542005
McLaughlin, D.P. 2007 Instant notes in human physiology. QP34.5 .I574 2007
Scanlon, V.C. 2007 Essentials of anatomy and physiology. QP34.5.S2882007
Shier, D. 2006 Hole’s essentials of human anatomy and physiology 9th ed. QP34.5.S492006

**Web Resources**
Get Body Smart - http://www.getbodysmart.com
The Anatomy and Physiology Place - http://www.anatomyandphysiology.com

In addition to the above policies and procedures, the instructor reserves the right to alter, augment, or delete from existing policies if in so doing the proper atmosphere for teaching and learning is maintained. All such policy changes will be announced.